

A 3D Model Retrieval System Based On the Derivative Radial Distance

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Abstract

In recent years, the demand for a content-based 3D model retrieval system becomes an important issue. Hence, we will propose two features, included radial distance (RD) and derivative radial distance (DRD) for 3D model retrieval. To derive better retrieval results, we will combine the RD and DRD. The experiments are conducted on the Princeton Shape Benchmark (PSB) database. Experiment results show that our proposed method is superior to others.

Keyword : 3D model retrieval; Rdial Dstance; Derivative Radial Distance